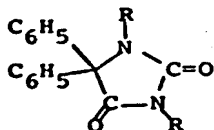




NOVEL FORMS OF 5,5-DIPHENYLHYDANTOIN EXHIBITING
ENHANCED SOLUBILITY AND THE THERAPEUTIC USE THEREOF

ABSTRACT OF THE DISCLOSURE

Novel derivatives of 5,5-diphenylhydantoin, having the
formula:



wherein R represents H or a member selected from the group
consisting of $-\text{CH}-\text{R}_1$; wherein R_1 represents a member selected
from the group consisting of H, C_1-C_7 straight or branched

alkyl, $-\text{CCl}_3$, $-\text{CBr}_3$, $-\text{Cl}_3$, $-\text{C}_6\text{H}_5$, $(\text{CH}_3)_2\text{NCH}_2-$, $-\text{CHO}$, $-\text{O}-\text{CH}_2-$,
 $-\text{CH}=\text{CH}-$, $-\text{C}_6\text{H}_4$, $-\text{C}_6\text{H}_3$, $-\text{C}_6\text{H}_2$, or $-\text{C}_6\text{H}_1$; wherein R_3 represents
a member selected from the group consisting of $-\text{OH}$, halogen
(Cl, Br, I), $-\text{OCH}_3$, $-\text{COOCH}_3$, $-\text{NO}_2$ or $-\text{OCOCH}_3$; wherein X is
 $-\text{O}-$, $-\text{S}-$, or $-\text{N}-$; and wherein R_2 represents a member selected
from the group consisting of $-\text{OH}$ or $-\text{C}-\text{R}_4$, wherein R_4 is a
member selected from the group consisting of $-\text{C}_6\text{H}_5$, $-\text{C}_6\text{H}_4$, $-\text{C}_6\text{H}_3$, $-\text{C}_6\text{H}_2$, $-\text{C}_6\text{H}_1$,
wherein R_3 is defined as above, $-\text{C}_6\text{H}_5$, $-\text{C}_6\text{H}_4$, $-\text{C}_6\text{H}_3$, $-\text{C}_6\text{H}_2$, $-\text{C}_6\text{H}_1$

the residue of any naturally occurring protein amino acid,
the residue of any N-substituted amino acid, wherein said
substituent is any amino acid protective group cleavable via
hydrogenolysis or hydrolysis (e.g., formyl, benzyloxy,
carbonyl, t-butyloxycarbonyl) or the residue of an
N,N- C_1-C_5 -dialkyl or C_4-C_7 cycloalkylamino acid, or wherein
 R_4 is a member selected from the group consisting of
 $-(\text{CH}_2)_n\text{COOH}$, $-(\text{CH}_2)_n\text{COCH}_3$, $-(\text{CH}_2)_n\text{COOC}_2\text{H}_5$, or
 $-(\text{CH}_2)_n\text{C}-\text{N}-\text{R}_5$, wherein n represents an integer of from 1-5
and R_5 and R_6 which may be the same or different represent
 C_1-C_5 alkyl or together form a heterocyclic ring with the N
atom to which they are attached (e.g., pyrrolidine, piperidine,

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